

*Original*

Before the  
FEDERAL COMMUNICATIONS COMMISSION  
Washington, D.C. 20554

In the Matter of

Establishment of An Advisory  
Committee To Negotiate  
Proposed Regulations

CC Docket No. 92-297

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FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

COMMENTS OF ENDGATE TECHNOLOGY CORPORATION

Endgate Technology Corporation ("Endgate") respectfully submits the following comments on the Commission's proposal to employ negotiated rulemaking procedures in the Local Multipoint Distribution Service ("LMDS") Rulemaking. See FCC Public Notice, CC Docket No. 92-297, Mimeo No. 41726 (released February 11, 1994) (the "Notice"). In the Notice, the Commission proposes to establish an Advisory Committee that will be tasked with negotiating solutions to outstanding technical issues in the LMDS Rulemaking regarding co-primary sharing in the 27.5 - 29.5 GHz band between proposed LMDS and Fixed Satellite Service ("FSS") systems. Endgate is pleased to have been designated for membership on the LMDS negotiated rulemaking Committee. As discussed more fully below, Endgate believes that there is a high degree of probability that the Committee can be successful in developing a technically feasible cost-efficient approach to co-primary sharing between LMDS and FSS systems.

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Endgate is a Silicon Valley-based company engaged in the development and manufacture of cutting-edge millimeter wave RF component and system technologies for terrestrial and spaceborne applications. One of Endgate's specialties is the design and production of inexpensive millimeter wave antennas that can achieve RMS sidelobe levels that are substantially lower than the peak sidelobe performance of other currently available low-cost millimeter wave antennas. Endgate's scientists and engineers also have substantial skill and experience in the application of sidelobe suppression technologies to existing antenna designs. As such, in its capacity as a party in interest and a member of the LMDS negotiated rulemaking Committee, Endgate can offer a high level of expertise in state-of-art millimeter wave transmission technologies.

Working jointly with Video/Phone Systems, Inc. ("Video/Phone"), Endgate has developed an LMDS system architecture that incorporates design features intended to facilitate co-primary co-channel operations with a full range of FSS system configurations. Endgate has also provided engineering expertise in support of Video/Phone's efforts to develop a viable regulatory framework to facilitate co-primary sharing between LMDS and FSS systems.

In addition, Endgate is at this time working with a communication company to develop satellite-borne antennas designed for operation in this frequency band.

Endgate believes that a combination of elevation angle and sidelobe emission limits applicable to both LMDS and FSS transmitting stations can result in a technically feasible cost-efficient approach to co-primary use of the 27.5 - 29.5 GHz band by LMDS and FSS systems. Endgate stands ready to assist the LMDS negotiated rulemaking committee in developing the necessary rules and regulations to implement co-primary LMDS and FSS operations. Endgate maintains that there is high degree of probability that the LMDS negotiated rulemaking Committee can be successful in accomplishing its mandate.

#### Designation of Committee Nominee

In accordance with paragraph 16 of the Notice, Endgate hereby designates Mr. Douglas G. Lockie as its representative to the LMDS negotiated rulemaking committee. Mr. Lockie is Executive Vice President and Founder of Endgate. He brings to the Committee some twenty-five years of experience in the development of advanced RF systems. Endgate certifies that Mr. Lockie will negotiate in good faith to develop a viable regulatory structure for LMDS/FSS co-primary sharing.

#### Conclusion

Endgate supports the Commission's proposal to employ negotiated rulemaking procedures in the LMDS Rulemaking. Endgate looks forward to playing an active role in the Committee and believes the Endgate representative will make important

contributions towards the successful conclusion of the  
Committee's work.

Respectfully submitted,

ENDGATE TECHNOLOGY CORPORATION

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